

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Please amend claims 1, 5 and 7 as shown in the listing of claims below:

1. (currently amended) A sense amplifier, comprising:
 - a sampling circuit receiving an input signal to the sense amplifier;
 - a reference node operable to store a reference signal corresponding to the input data, the reference signal serving as a reference voltage of the sense amplifier;
 - a timing circuit activating the sampling circuit a predetermined interval before measurement of the input signal is ~~to be taken~~ initiated, the sampling circuit admitting the input signal to the reference node thereby.
- 2-4. (canceled)
5. (currently amended) A method of sensing input data comprising:
 - receiving an input signal to a sense amplifier;
 - admitting the input signal to a reference node of the sense amplifier a predetermined interval before measurement of the input signal is ~~to be taken~~ initiated by the sense amplifier;
 - and
 - storing the input signal admitted to the reference node as a reference signal of the sense amplifier.
6. (previously presented) The method of claim 5 wherein receiving an input signal comprises receiving the input signal at a sampling circuit.
7. (currently amended) The method of claim 6 wherein admitting the input signal to a reference node comprises activating the sampling circuit a predetermined interval before measurement of the input signal is ~~to be taken~~ initiated by the sense amplifier.

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8. (previously presented) The method of claim 5 further comprising measuring the input signal the predetermined interval after admitting the input signal to the reference node.